

## CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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This is UNEVALUATED

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.  
THE APPRAISAL OF CONTENT IS TENTATIVE.  
(FOR KEY SEE REVERSE)

1. The "Sergei Mironovich Kirov" State Institute for Electrotechnicians is located at No. 4 Stefan Stambolov Street in Sofia. The Institute has two types of courses: 25X1
  - a. "Low tension" courses, with three sections: 25X1
    - Radio Technology.
    - Telegraphy.
    - Telephones.
  - b. "High tension" courses, details unknown.
2. Students admitted to the school have complete freedom as to which type of specialization they wish to undertake, with no pressure applied by the directorate of the Institute.
3. To be admitted to the school, students must be graduates of the 7th elementary class. Candidates applying for admission must pass entrance examinations given by the school; the only candidates exempt from the entrance examinations are those who graduated from the elementary schools with the highest marks and were awarded gold medals. Permission to take the examinations, however, is always subject to the evaluations of the moral and political background of the candidate and of his family; also, candidates may be exempt from taking the examinations if they have particular merit in this line. The verifying of charges concerning the candidates and their backgrounds generally reveals their real political sentiments very accurately. The severity of the verification is governed by two considerations, as follows:

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25X1

- a. To protect from the possibility of indiscretion on the part of the students during their scholastic period as a consequence of the tours and apprenticeship in industrial establishments of particular importance in the economic life of the country (as required in the study program); and
  - b. To be sure that the future technical cadres of the country spring from children of families and society in which "particular education" was advanced, guaranteeing the continuation of the politics now in power.
4. The "directorate" of the Institute consists of:
    - a. A director, a physico-engineer;
    - b. Two deputy directors, engineers;
    - c. Two engineers, one to direct the "high tension laboratory," and one to direct the "low tension laboratory;" and
    - d. A political secretary.
  5. The courses of both branches of the Institute last five years. Classes start on 1 September each year and end of 30 June of the following year.
  6. A total of 800 students are enrolled in the school.

Study Materials

7. The study material is divided into two categories:
  - a. General cultural, identical in the two branches; and
  - b. Technical material, which varies according to the type of course.
8. The general cultural material is as follows:
  - a. Bulgarian language;
  - b. Russian language;
  - c. One of either the French, English, or German languages;
  - d. History;
  - e. Mathematics; this study offers a very extensive program; the last year is equal to that for students in the first year at the Mathematics Faculty of the University;
  - f. Physics;
  - g. Chemistry;
  - h. Health; and
  - i. During the first two years, one hour a week of "Domestic and Foreign Political Information."

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9. The technical material for the "Low Tension" speciality consists of 22 courses, including the following:
  - a. Mechanical technology;
  - b. Science of metals;
  - c. High tension;
  - d. Low tension;
  - e. Mechanical drawing (limited to the first two years);
  - f. Electromechanical drawing (the last three years);
  - g. Electrical apparatus;
  - h. Radio technology;
  - i. Radio principles;
  - j. Telegraphy (study of phenomena connected with telegraph, telephone, and radio transmissions);
  - k. Telephones (study of phenomena connected with telegraph, telephone, and radio transmissions);
  - l. Radio transmissions (study of phenomena connected with telegraph, telephone, and radio transmissions);
  - m. Rudiments of electrical machine construction calculators (condensers, conductors, etc.);
  - n. Resistance of materials;
  - o. Telegraphy techniques;
  - p. Telephone techniques;
  - r. Radio techniques;
  - s. Mechanical processing of metals (lathing, milling, smelting, welding, etc.);
  - t. Power line construction (for streetcars, trolley buses, etc.); and
  - u. Hydroelectric and thermoelectric power generators.
10. The program base, as far as the technical studies of the "Low Tension" course are concerned, is the same for everyone; however, students in their final two years may choose between the following three internal specialities:
  - a. Radio technology;
  - b. Telegraphy; and
  - c. Telephones.

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11. For the first three years, students take 33 class hours per week, consisting of 25 hours of theoretical lessons and eight hours of practical work in the laboratory. For the final two years, students take 42-45 class hours per week, consisting of 27 hours of theoretical lessons and 12-16 hours of practical work in the laboratory.

Apprenticeship in Industrial Establishments

12. Students in their final two years of study are employed as apprentices for 35 days during the summer recesses (between third and fourth and fourth and fifth study years--July-August period) at industrial enterprises or units engaged in production or activity of the type in which they are specializing. For example, students in the "radio technology" field are apprenticed, for the most part, in either the Voroshilov Factory or the Vasil Kolarov Factory, the two Elprom (Elektricheska Promishlenost; Electrical Production) units in Sofia. The students in the telegraphy and telephone specialties carry out their respective apprenticeships in the "Posts and Telegraph" and "Telephones" units of Sofia.
13. It is also planned for students in their final two years to take tours on an irregular basis to acquaint themselves with factories and industrial installations of various types.

Granting of Degrees

14. The graduation examinations are given in the months of March and April. Students who pass these complete a final period of apprenticeship of 45 days at one of the enterprises or units mentioned above. Students who do not pass these examinations and having to repeat the year are exempt from performing this final apprenticeship carried out by the graduates.
15. The selection of graduates is rather severe. Of the 35 students in the "Low Tension" course who passed their examinations in March-April 1954, five (approximately 15 percent) were rejected and had to repeat the year.

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